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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

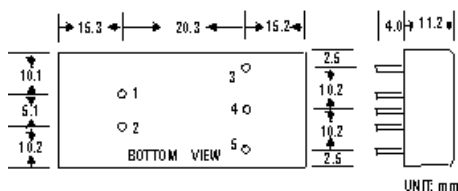
DKE10B SERIES

Jameco Part ☐
Number 217058 ☐
(DKE10B-05)

.2:1 WIDE INPUT RANGE
.4:1 INPUT IS AVIALABLE
.REGULATED DC OUTPUT
.1K VDC I/P ISOLATION
.1K-3KVDC ISOLATION (OPTIONAL)
.LOW PROFILE / SMALL SIZE
.EPOXY ENCAPSULATED

.SIX-SIDED SHIELD OF METAL CASE
.HIGH PERFORMACE / LOW COST
.SHORT CIRCUIT PROTECTION
.OVER CURRENT PROTECTION
.FREE AIR CONVECTION
.100% BURN-IN TEST
.1 YEAR WARRANTY



MODEL					
SPECIFICATION	DKE10B-05	DKE10B-12	DKE10B-15	DKE10B-24	
DC OUTPUT VOLTAGE	±5V	±12V	±15V	±24V	
OUTPUT VOLTAGE ACCURACY	±2%				
OUTPUT RATED CURRENT	±1000mA	±420mA	±333mA	±210mA	
OUTPUT CURRENT RANGE	100-±1000mA	42-±420mA	33.3-±333mA	21-±210mA	
RIPPLE & NOISE	50mVp-p	60mVp-p	60mVp-p	80mVp-p	
LINE REGULATION	±0.3%	±0.3%	±0.3%	±0.3%	
LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	
DC OUTPUT POWER	10W	10W	10W	10W	
EFFICIENCY	81%	80%	80%	81%	
SWITCHING FREQUENCY	250KHz (TYPICAL)				
INPUT VOLTAGE RANGE	18-36VDC				
INPUT CURRENT	0.53A/24VDC; 16mA @ NO LOAD (TYPICAL)				
SHORT CIRCUIT PROTECTION	CONTINUOUS				
OVER CURRENT PROTECTION	160-250% AUTO RECOVERY				
TEMP. COEFFICIENT	±0.03% / °C (0-50°C)				
ISOLATION VOLTAGE	I/P-O/P:1K VDC MIN.				
ISOLATION RESISTANCE	I/P-O/P:100M Ohms MIN. @500VDC				
TRANSIENT RESPONSE	<250u sec. FOR 25% LOAD STEP CHANGE				
WORKING TEMP., HUMIDITY	-15°C-+60°C, 20%-90% RH (NO DERATING); 80% LOAD @ 71°C				
STORAGE TEMP., HUMIDITY	-25°C-+85°C, 10%-95% RH				
DIMENSION	2"*1"*0.44"				
WEIGHT	32g				
CASE METERIAL	SIX-SIDED SHIELD OF METAL CASE				
MECHANISM AND PIN CONFIGURATION	 UNIT: mm			Pin no.	Output
				1	+Vin
				2	-Vin
				3	+Vout
				4	COM
				5	-Vout

NOTE : 1.ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
4.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

2002-07-04